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PATENT & TRADEMARK OFFICE

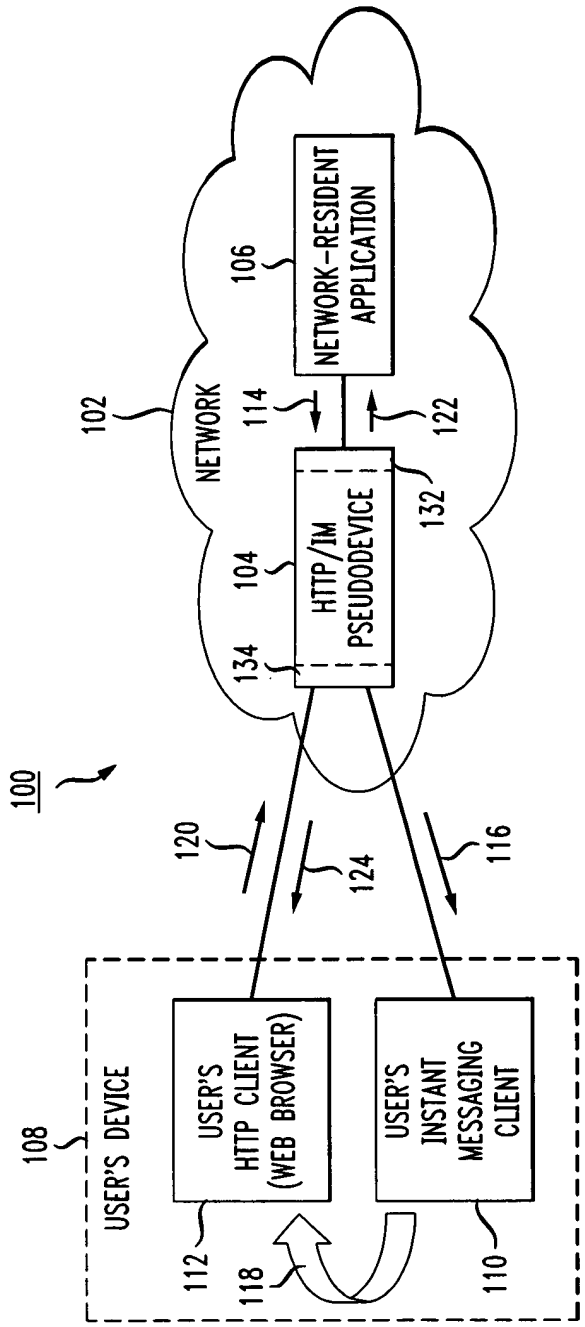


FIG. 1

FIG. 2

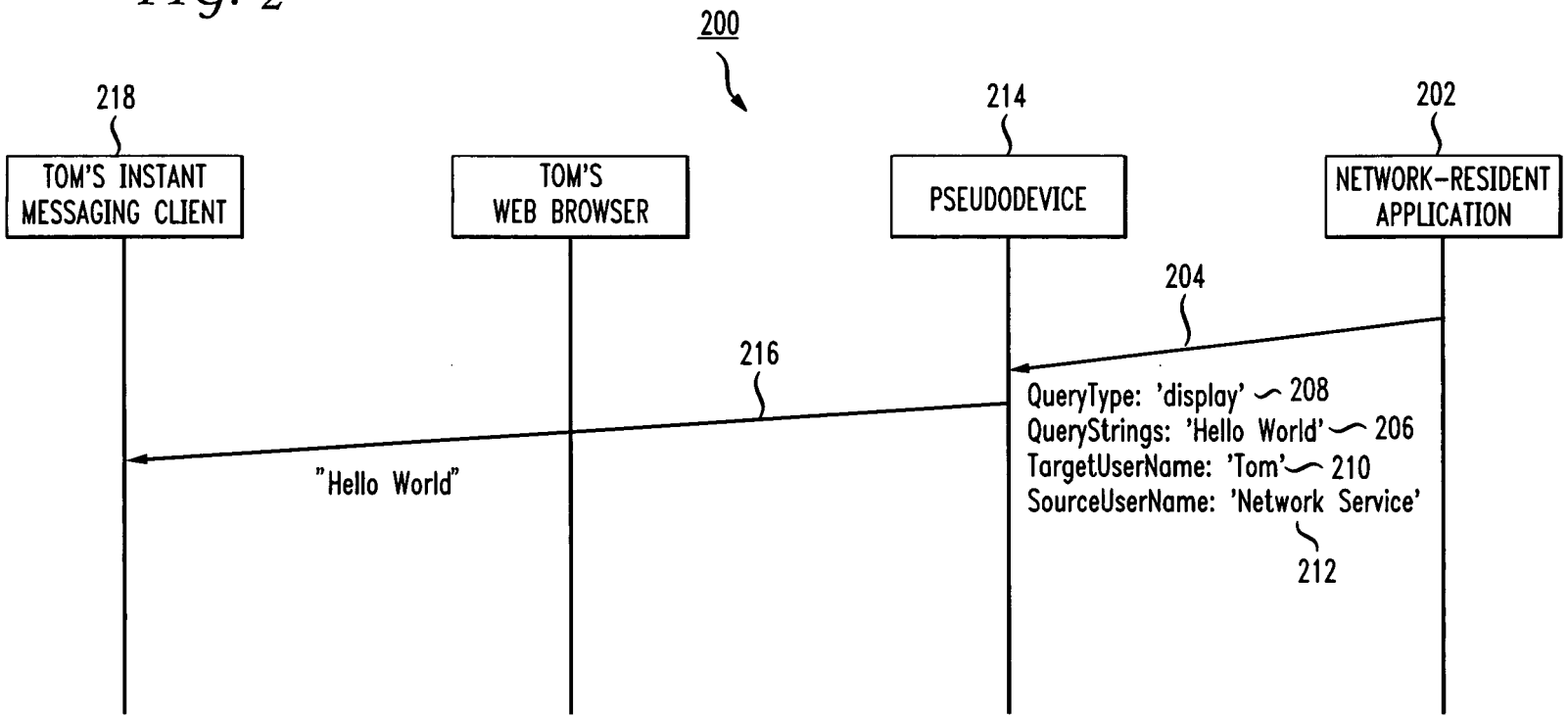
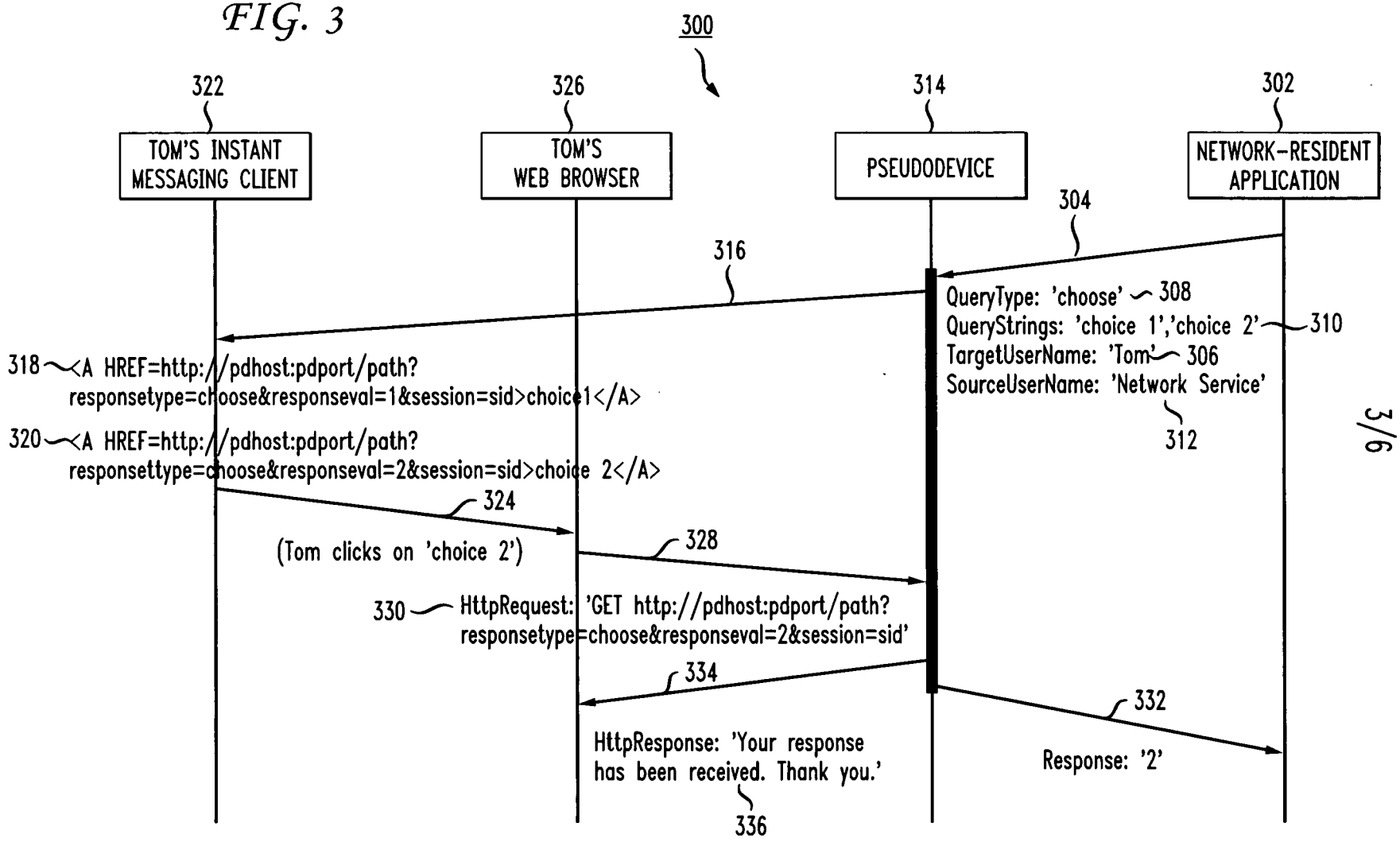
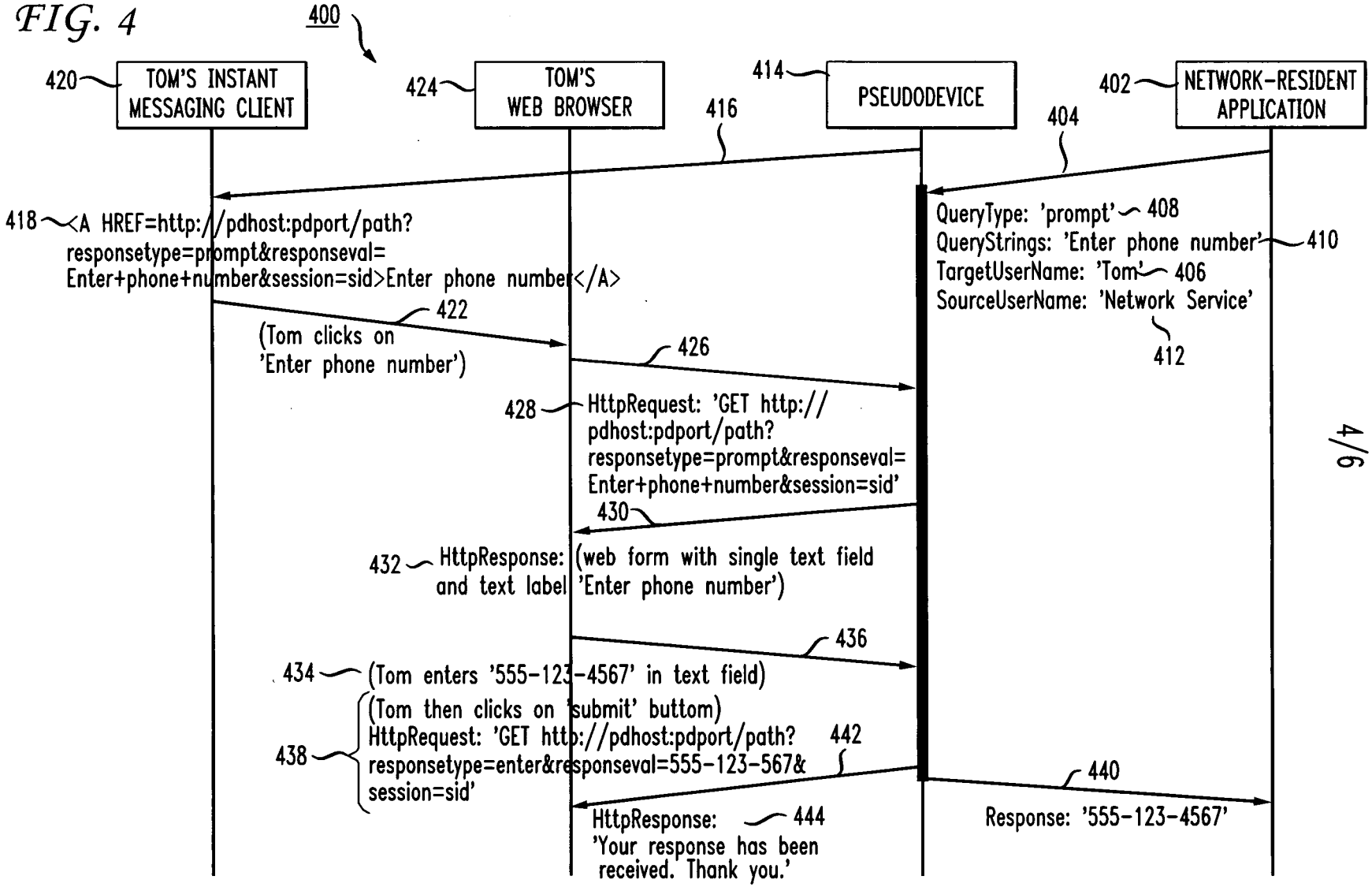

200
218
TOM'S INSTANT MESSAGING CLIENT
TOM'S WEB BROWSER
214
PSEUDODEVICE
202
NETWORK-RESIDENT APPLICATION
204
216
QueryType: 'display' 208
QueryStrings: 'Hello World' 206
TargetUserName: 'Tom' 210
SourceUserName: 'Network Service'
212
"Hello World"

FIG. 3



2003-0045

FIG. 4



2003-0045

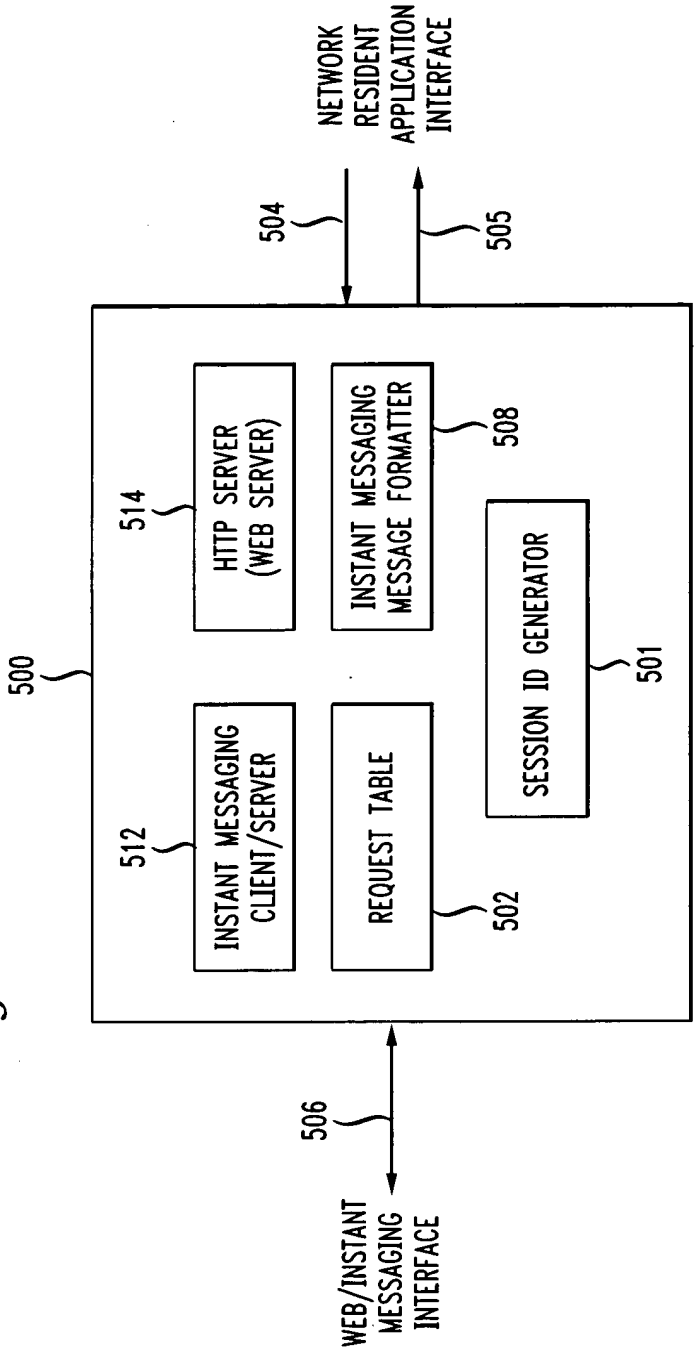
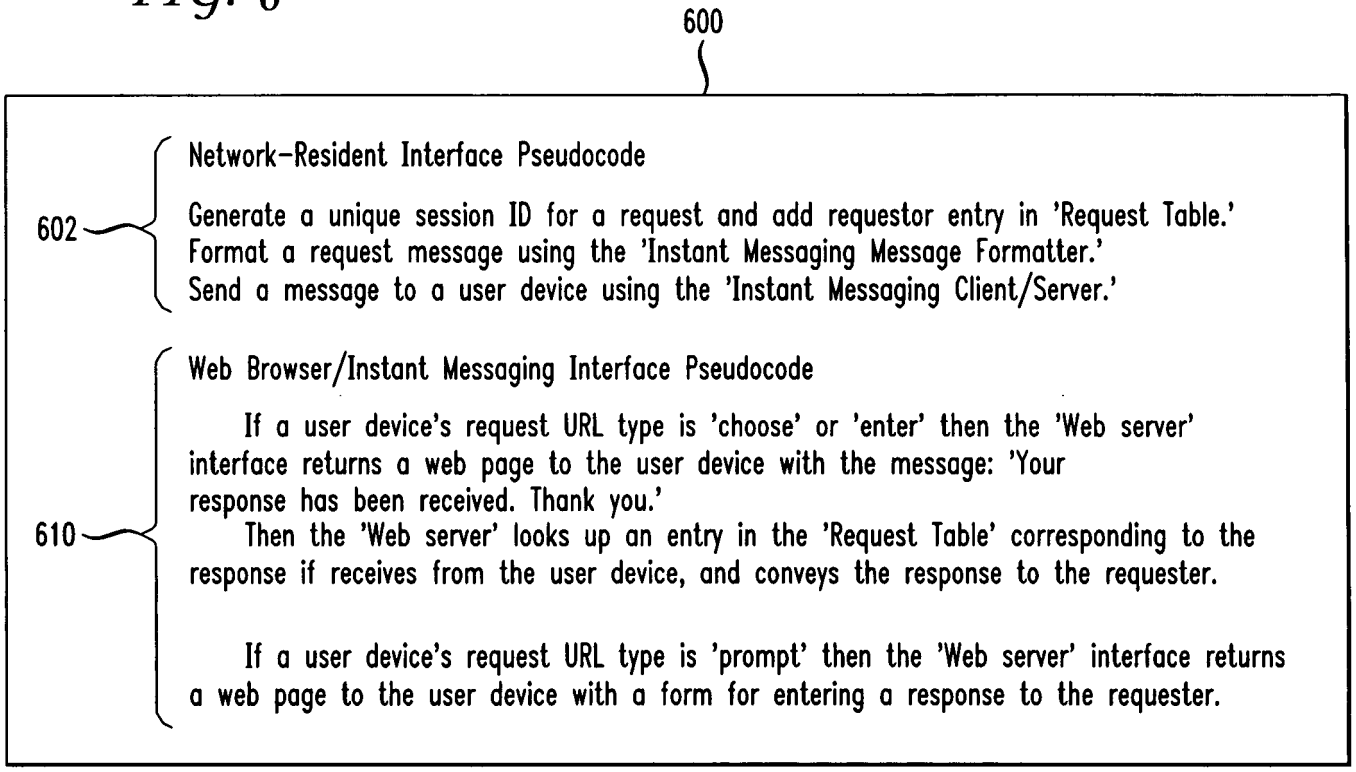

NETWORK RESIDENT APPLICATION INTERFACE
504
505
500
HTTP SERVER (WEB SERVER)
514
INSTANT MESSAGING MESSAGE FORMATTER
508
SESSION ID GENERATOR
501
INSTANT MESSAGING CLIENT/SERVER
512
REQUEST TABLE
502
506
WEB/INSTANT MESSAGING INTERFACE

FIG. 5

FIG. 6


600
602
Network-Resident Interface Pseudocode
Generate a unique session ID for a request and add requestor entry in 'Request Table.'
Format a request message using the 'Instant Messaging Message Formatter.'
Send a message to a user device using the 'Instant Messaging Client/Server.'
610
Web Browser/Instant Messaging Interface Pseudocode
If a user device's request URL type is 'choose' or 'enter' then the 'Web server' interface returns a web page to the user device with the message: 'Your response has been received. Thank you.'
Then the 'Web server' looks up an entry in the 'Request Table' corresponding to the response if receives from the user device, and conveys the response to the requester.
If a user device's request URL type is 'prompt' then the 'Web server' interface returns a web page to the user device with a form for entering a response to the requester.